

Maryland HIV/AIDS Quarterly Update

First Quarter 2013

Data reported through March 31, 2013



Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Bureau
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Maryland Department of Health and Mental Hygiene
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report

patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.

- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmdh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 18% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 4/1/2011-3/31/2012 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 4/1/2011-3/31/2012, as reported by name through 3/31/2013.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 3/31/2012 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 3/31/2012 as reported by name through 3/31/2013.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" initially after diagnosis or in following years that they remain "in care".

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), March 31, 2013.

Population data by sex, age, and race are from the July 1, 2011 U.S. Census Estimates. Due to estimation limitations, some population totals may not equal the sum of its components.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

On-line Mapping Tool

Please visit the Maryland Department of Health and Mental Hygiene's website at <http://phpa.dhmh.maryland.gov/oideor/chse> to create your own maps of adult/adolescent HIV rates by jurisdiction of residence, subset them by sex at birth and race/ethnicity, zoom in to the jurisdiction level, plot the locations of HIV testing sites, and print out your custom map.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Median: The measure of central location which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 3/31/2012.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 3/31/2012 of 400 copies per milliliter or greater.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 3/31/2012 of less than 400 copies per milliliter.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2011.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 3/31/2012.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 3/31/2012.

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Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 4/1/2011-3/31/2012, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 3/31/2013

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Allegany	65,425	4	0.3%	6.1	***	***	***	***	***
Anne Arundel	454,211	55	4.2%	12.1	47	85.5%	211	80.0%	45.5%
Baltimore City	520,768	388	29.3%	74.5	303	78.1%	398	74.7%	24.2%
Baltimore	684,437	179	13.5%	26.2	138	77.1%	377	70.4%	24.0%
Calvert	74,035	10	0.8%	13.5	9	90.0%	262	80.0%	20.0%
Caroline	27,145	3	0.2%	11.1	***	***	***	***	***
Carroll	140,329	3	0.2%	2.1	***	***	***	***	***
Cecil	84,250	5	0.4%	5.9	***	***	***	***	***
Charles	122,835	13	1.0%	10.6	8	61.5%	284	53.8%	38.5%
Dorchester	27,557	7	0.5%	25.4	5	71.4%	258	28.6%	28.6%
Frederick	195,682	14	1.1%	7.2	9	64.3%	225	71.4%	35.7%
Garrett	25,709	0	0.0%	0.0	--	--	--	--	--
Harford	205,356	19	1.4%	9.3	16	84.2%	393	78.9%	31.6%
Howard	241,940	27	2.0%	11.2	19	70.4%	462	81.5%	18.5%
Kent	17,677	2	0.2%	11.3	***	***	***	***	***
Montgomery	821,219	168	12.7%	20.5	136	81.0%	342	67.9%	32.7%
Prince George's	723,544	335	25.3%	46.3	255	76.1%	333	69.3%	33.7%
Queen Anne's	40,551	2	0.2%	4.9	***	***	***	***	***
Saint Mary's	87,631	6	0.5%	6.8	6	100.0%	52	100.0%	66.7%
Somerset	23,135	3	0.2%	13.0	***	***	***	***	***
Talbot	32,902	4	0.3%	12.2	***	***	***	***	***
Washington	124,366	17	1.3%	13.7	15	88.2%	319	88.2%	47.1%
Wicomico	83,166	9	0.7%	10.8	9	100.0%	388	100.0%	44.4%
Worcester	45,100	7	0.5%	15.5	7	100.0%	245	71.4%	71.4%
Corrections	--	44	3.3%	--	37	84.1%	541	75.0%	15.9%
TOTAL	4,868,970	1,324	100.0%	27.2	1,039	78.5%	363	72.2%	29.6%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2011.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 4/1/2011-3/31/2012, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 3/31/2013

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	65,425	1	0.1%	1.5	***	***
Anne Arundel	454,211	43	5.8%	9.5	3.5	53.5%
Baltimore City	520,768	250	33.8%	48.0	5.3	32.8%
Baltimore	684,437	102	13.8%	14.9	4.1	43.1%
Calvert	74,035	1	0.1%	1.4	***	***
Caroline	27,145	2	0.3%	7.4	***	***
Carroll	140,329	1	0.1%	0.7	***	***
Cecil	84,250	3	0.4%	3.6	***	***
Charles	122,835	10	1.4%	8.1	3.1	70.0%
Dorchester	27,557	3	0.4%	10.9	***	***
Frederick	195,682	5	0.7%	2.6	0.5	80.0%
Garrett	25,709	0	0.0%	0.0	--	--
Harford	205,356	12	1.6%	5.8	3.9	50.0%
Howard	241,940	8	1.1%	3.3	0.9	62.5%
Kent	17,677	0	0.0%	0.0	--	--
Montgomery	821,219	78	10.5%	9.5	1.6	74.4%
Prince George's	723,544	169	22.8%	23.4	2.4	62.1%
Queen Anne's	40,551	3	0.4%	7.4	***	***
Saint Mary's	87,631	4	0.5%	4.6	***	***
Somerset	23,135	2	0.3%	8.6	***	***
Talbot	32,902	4	0.5%	12.2	***	***
Washington	124,366	8	1.1%	6.4	1.8	75.0%
Wicomico	83,166	9	1.2%	10.8	5.5	33.3%
Worcester	45,100	4	0.5%	8.9	***	***
Corrections	--	18	2.4%	--	3.9	50.0%
TOTAL	4,868,970	740	100.0%	15.2	3.7	50.3%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2011.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 3/31/2012, by Jurisdiction, Reported through 3/31/2013

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	65,425	35	0.3%	53.5	36	0.2%	55.0	71	0.3%	108.5	921
Anne Arundel	454,211	412	3.3%	90.7	614	3.9%	135.2	1,026	3.7%	225.9	442
Baltimore City	520,768	5,155	41.9%	989.9	6,579	41.8%	1,263.3	11,734	41.9%	2,253.2	44
Baltimore	684,437	1,193	9.7%	174.3	1,525	9.7%	222.8	2,718	9.7%	397.1	251
Calvert	74,035	44	0.4%	59.4	50	0.3%	67.5	94	0.3%	127.0	787
Caroline	27,145	27	0.2%	99.5	29	0.2%	106.8	56	0.2%	206.3	484
Carroll	140,329	53	0.4%	37.8	60	0.4%	42.8	113	0.4%	80.5	1,241
Cecil	84,250	44	0.4%	52.2	58	0.4%	68.8	102	0.4%	121.1	825
Charles	122,835	157	1.3%	127.8	149	0.9%	121.3	306	1.1%	249.1	401
Dorchester	27,557	33	0.3%	119.8	72	0.5%	261.3	105	0.4%	381.0	262
Frederick	195,682	123	1.0%	62.9	140	0.9%	71.5	263	0.9%	134.4	744
Garrett	25,709	3	0.0%	11.7	4	0.0%	15.6	7	0.0%	27.2	3,672
Harford	205,356	150	1.2%	73.0	204	1.3%	99.3	354	1.3%	172.4	580
Howard	241,940	172	1.4%	71.1	208	1.3%	86.0	380	1.4%	157.1	636
Kent	17,677	16	0.1%	90.5	18	0.1%	101.8	34	0.1%	192.3	519
Montgomery	821,219	1,322	10.7%	161.0	1,717	10.9%	209.1	3,039	10.8%	370.1	270
Prince George's	723,544	2,465	20.0%	340.7	2,932	18.6%	405.2	5,397	19.3%	745.9	134
Queen Anne's	40,551	13	0.1%	32.1	31	0.2%	76.4	44	0.2%	108.5	921
Saint Mary's	87,631	40	0.3%	45.6	55	0.3%	62.8	95	0.3%	108.4	922
Somerset	23,135	18	0.1%	77.8	29	0.2%	125.4	47	0.2%	203.2	492
Talbot	32,902	21	0.2%	63.8	31	0.2%	94.2	52	0.2%	158.0	632
Washington	124,366	161	1.3%	129.5	132	0.8%	106.1	293	1.0%	235.6	424
Wicomico	83,166	94	0.8%	113.0	100	0.6%	120.2	194	0.7%	233.3	428
Worcester	45,100	32	0.3%	71.0	45	0.3%	99.8	77	0.3%	170.7	585
Corrections	--	523	4.2%	--	904	5.7%	--	1,427	5.1%	--	--
TOTAL	4,868,970	12,306	100.0%	252.7	15,722	100.0%	322.9	28,028	100.0%	575.6	173

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2011.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 3/31/2012, Reported through 3/31/2013

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	71	52	73.2%	572	7.7%	15.4%	17.3%	59.6%
Anne Arundel	1,026	543	52.9%	452	15.5%	20.4%	20.6%	43.5%
Baltimore City	11,734	6,512	55.5%	472	15.3%	17.7%	20.5%	46.5%
Baltimore	2,718	1,492	54.9%	475	15.7%	18.2%	18.8%	47.3%
Calvert	94	54	57.4%	518	14.8%	16.7%	16.7%	51.9%
Caroline	56	31	55.4%	542	12.9%	12.9%	12.9%	61.3%
Carroll	113	45	39.8%	519	8.9%	15.6%	24.4%	51.1%
Cecil	102	45	44.1%	448	11.1%	20.0%	20.0%	48.9%
Charles	306	145	47.4%	514	11.7%	15.9%	20.7%	51.7%
Dorchester	105	63	60.0%	449	11.1%	25.4%	19.0%	44.4%
Frederick	263	126	47.9%	516	11.9%	13.5%	21.4%	53.2%
Garrett	7	2	28.6%	***	***	***	***	***
Harford	354	173	48.9%	517	16.8%	12.7%	18.5%	52.0%
Howard	380	183	48.2%	575	11.5%	16.4%	14.2%	57.9%
Kent	34	14	41.2%	611	***	***	***	***
Montgomery	3,039	1,307	43.0%	507	11.6%	17.0%	20.3%	51.1%
Prince George's	5,397	2,378	44.1%	471	17.0%	16.4%	20.4%	46.2%
Queen Anne's	44	30	68.2%	413	16.7%	20.0%	20.0%	43.3%
Saint Mary's	95	45	47.4%	504	17.8%	17.8%	13.3%	51.1%
Somerset	47	23	48.9%	524	4.3%	21.7%	21.7%	52.2%
Talbot	52	31	59.6%	544	25.8%	12.9%	3.2%	58.1%
Washington	293	144	49.1%	491	13.9%	16.7%	19.4%	50.0%
Wicomico	194	93	47.9%	442	25.8%	12.9%	17.2%	44.1%
Worcester	77	45	58.4%	540	22.2%	11.1%	11.1%	55.6%
Corrections	1,427	798	55.9%	445	18.7%	18.4%	19.3%	43.6%
TOTAL	28,028	14,374	51.3%	476	15.4%	17.4%	20.0%	47.2%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 3/31/2012.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 3/31/2012.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 3/31/2012, by Jurisdiction, Reported through 3/31/2013

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	71	50	70.4%	62.0%	983
Anne Arundel	1,026	489	47.7%	46.0%	818
Baltimore City	11,734	5,636	48.0%	42.4%	716
Baltimore	2,718	1,370	50.4%	46.1%	700
Calvert	94	51	54.3%	49.0%	450
Caroline	56	34	60.7%	58.8%	1,521
Carroll	113	55	48.7%	47.3%	130
Cecil	102	35	34.3%	60.0%	80
Charles	306	142	46.4%	59.2%	1,399
Dorchester	105	54	51.4%	48.1%	210
Frederick	263	124	47.1%	55.6%	95
Garrett	7	3	42.9%	***	***
Harford	354	185	52.3%	56.2%	781
Howard	380	180	47.4%	57.8%	505
Kent	34	18	52.9%	***	96
Montgomery	3,039	1,301	42.8%	59.6%	277
Prince George's	5,397	2,386	44.2%	53.6%	1,393
Queen Anne's	44	25	56.8%	52.0%	231
Saint Mary's	95	47	49.5%	46.8%	290
Somerset	47	24	51.1%	50.0%	1,006
Talbot	52	32	61.5%	53.1%	726
Washington	293	149	50.9%	69.1%	1,052
Wicomico	194	94	48.5%	53.2%	6,369
Worcester	77	40	51.9%	50.0%	189
Corrections	1,427	735	51.5%	44.6%	1,332
TOTAL	28,028	13,259	47.3%	48.2%	765

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 3/31/2012.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 3/31/2012.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 3/31/2012 of less than 400 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 3/31/2012 of 400 copies per milliliter or greater.